



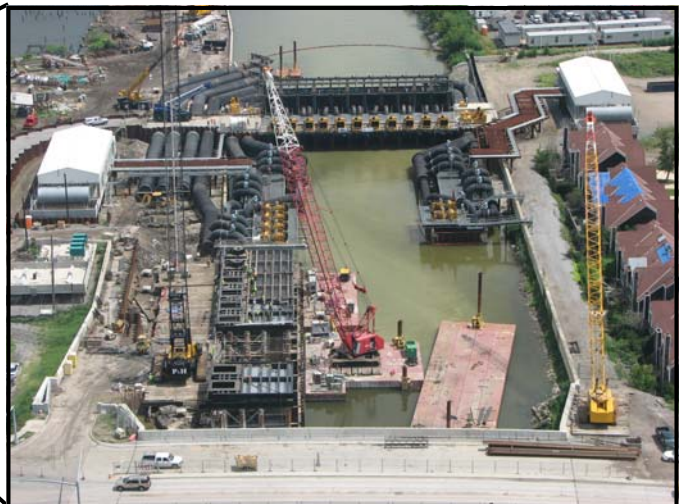
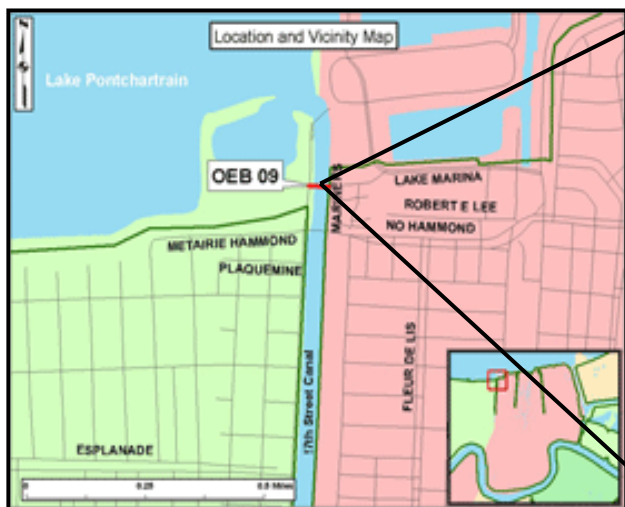
**US Army Corps  
of Engineers®**  
Hurricane Protection Office

# 17<sup>th</sup> Street Outfall Canal

## Project Fact Sheet

The 17<sup>th</sup> St. Outfall Canal extends approximately 2.4 miles north from Pump Station #6 to Lake Pontchartrain. It is the boundary between Orleans and Jefferson Parishes, the parishes that share in the canal's management and maintenance.

- This interim gated closure structure is operational and can provide protection against storm surge. The structure is located at the outfall of 17<sup>th</sup> St. Canal at Lake Pontchartrain. To protect the canal, the structure includes a series of 11 panel gates that will be open under normal conditions and closed during impending storm surge due to tropical storm activity.
- Each gated panel is nearly 12 feet wide, 27 feet tall and more than 15 inches thick. Each panel weighs approximately 11 tons and are heavily reinforced for strength.
- Currently there are 18 temporary, 11 direct drive, and 14 portable pumps on this site with the pumping capacity between 8,800 and 9,200 cubic feet per second. That is equivalent of filling an Olympic-sized swimming pool in less than 10 seconds.
- 17<sup>th</sup> St. Canal I-wall breach has been repaired with the construction of approximately 400 feet of new T-wall.
- With the new structure in place, the city has better protection than ever before. When storm surge threatens the safe water level in the canal, the gates will close to block the surge and pumps will evacuate the water through the structure into Lake Pontchartrain.



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### Stronger Protection for New Orleans

The U.S. Army Corps of Engineers' efforts to upgrade the flood and storm protection system will continue through 2010. The Corps will engineer, construct and improve storm flood protection infrastructure to a 100-year protection level. This work includes:

- Constructing permanent pump and flood gate structures to block storm surges from entering the 17th St., Orleans Avenue, and London Avenue Canals.
- Constructing the best engineering solution for providing the 100-year level of protection for the Inner Harbor Navigational Canal.
- Raising levees to the 100-year level protection.

The federal government has appropriated more than \$7 billion to complete the work of restoring and improving the hurricane protection system. The work currently consists of more than 100 planned construction projects.

